

ISOMASTIC
NEW ISOMASTIC!

DESCRIPTION ISOMASTIC is a two-pack, epoxy paint with low content of solvents. ISOMASTIC especially pigmented with micaceous iron oxide and aluminium flakes for excellent barrier properties.

RECOMMENDED USES Intended for use as a barrier coat in Isotrol Hybrid paint system. Especially suited for maintenance of steel and other metal surfaces.
 Rusty surfaces are primed with Isotrol Klarlack Grund.

TECHNICAL DATA

Binder type Modified epoxy resin

Solids volume 82 ± 2 % (mixture)

Density 1,5 ± 0,05 kg/l,

Typical film thickness 80-230 microns dry film
 100-280 microns wet film

Theoretical coverage 8 m²/l at 100 µm dry film.

Overcoating intervals

 Overcoating intervals
 at 100 µm dry film

Re-coatable without grinding or roughening	+ 10°C		+23°C			
	min.	max*	min.	max*		max*
With it self	after 8 h	before 3 months	after 4 h	before 3 months		before 1 month
By Isodur	after 1 day	before 14 days	after 1 day	before 1 month	after 6 h	before 14 days

* after exceeding the maximum interval, the surface should be smoothly grinded before overcoated

Colour Aluminum grey

Gloss Semi-flat

Application Airless spray, roller, brush

Storage and transport Store at cool temperatures but always above 0°C
 Temperature during transport: 0°C – 40°C

Packaging Base 16 L in a 20 L can
 Hardener 4 L

Flash point +25° C (mixture)

VOC 200 g/l (mixed paint)

APPLICATION

Surface preparation

Clean and prepare the surface with an appropriate cleaning method.

Old painted and rusty surfaces:

- Remove all loose rust and paint to cleanliness Wa2 according to ISO 8501-4 by hot waterblasting up to 800 bar pressure. ... OR :
- Prepare the surface to cleanliness St 2 according to ISO 8501-1 by steel brush and carefully clean the surface by high pressure cleaning. Prime with Isotrol Klarlack Grund.

Painted surfaces in good shape:

High pressure cleaning or clean by alkaline wash and rinse is mostly sufficiently. High gloss paint surfaces are flattened by grinding.

Application conditions

The surface to be painted must be clean and dry.

Relative humidity of the ambient air should not exceed 80 %.

The temperature of the paint should not be of a lower than +15°C.

The temperature of the ambient air and surface should not fall below +5°C, or raise above +35°C, during application and drying.

The surface temperature of the steel should remain at least 3°C above the dew point.

Good ventilation and sufficiently air movement is required in confined areas during application and drying

Application

First stir base and hardener separately. Use power mixer to mix base and hardener thoroughly. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface and impairs the properties of the coating.

For best result use paint brush around edges, rivets, joints, bolts etc. before painting of the whole surface.

Mixing ratio

4:1

Potlife

2 h at 23°C Isomastic Hardener

Airless spray

Nozzle tip:
0.015"-0,019"

Drying time at 23°C

50% RH 40 µm dry film

Dust dry	Touch dry
3 h	6 h

Thinning and cleaning

Thinning: TEKNOSOLV 9506

Cleaning: TEKNOCLEAN 9506 or TEKNOSOLV 9530

Precautionary statements

See labelling and safety sheets.

Environment

Dispose of contents and container in accordance with all local, regional, national and international regulations